Create with cardboard ... no tape or glue allowed!

**You’ll need some building materials, connectors and a ball or something heavy for testing.** Use what you have and be creative!

<table>
<thead>
<tr>
<th>Building materials</th>
<th>Connectors</th>
<th>Additional materials</th>
<th>No tape or glue!</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Flat pieces of cardboard*</td>
<td>• Binder clips</td>
<td>• Something heavy to test your creation.</td>
<td>Why? Because building without tape or glue lets you change your designs faster and makes it easier to reuse materials.</td>
</tr>
<tr>
<td>• Cereal boxes</td>
<td>• Paper clips</td>
<td>• A ball to balance on top of your creation.</td>
<td></td>
</tr>
<tr>
<td>• Paper</td>
<td>• Twist ties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Toilet paper rolls</td>
<td>• String</td>
<td></td>
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</tbody>
</table>

*Start with flat pieces of cardboard. Carefully cut open cardboard boxes. Ask an adult for help if needed!

**Ready, set, build!**

Using only cardboard or paper and some connectors, choose one of the following challenges:

• How high can you make your creation before it tips over?
• Build something and see how much weight it will hold.
• Build a tall structure and balance a ball on top of it. How high can you go before the ball falls?

**Bonus challenges**

• Have someone cut your cardboard into random sizes and shapes and try building with them.
• Build a piece of life-sized furniture (chair, sofa) out of cardboard. Can it hold your weight? Be safe testing!

**Questions to ask yourself:**

• If you could use another building material, what would you use and why?
• What would make your creation sturdier?
• How could your creation be used in the real-world?

Share what you build on Facebook using #TheTechChallenge

[the tech.org/techchallenge](http://the.tech.org/techchallenge)